		-146 926
2		DA
No.	Senat	
	L	

United States Environmental Protection Agency Washington, DC 20460

ACI	A		PLU	GGIN	IG AND) ABA	N	DONM	ENT PLA	N				
Name and	Address of Fa	e 1	Name and Address of Owner/Operator											
Michiga	an Potash Clus						sh Operating, LLC c/o Fox Rothschild et, Suite 2200, Denver, CO 80215							
	ate Well and Oution Plat - 640 A	State Michigan			31	County Osceola & Me	costa	Permit Number MI-133-3G-0028						
			Surface L	Surface Location Description										
	1 1 1	N I I	1		se 1/4 of <u>SW</u> 1/4 of <u>NW</u> 1/4 of <u>NW</u> 1/4 of Section <u>31</u> Township <u>17</u> Range 8									
	<u> </u>				Locate well in two directions from nearest lines of quarter section and d							drilling unit		
-		! !		Surface										
	 	Location ft. frm (N/S) N Line of quarter section 1052												
-	+		and ft. from (E/W) W Line of quarter section. 216 1											
w -					TYPE OF AUTHORIZATION WELL ACTIVITY									
	iii				Individual Permit					CLASS I				
			T		✓ Area Permit									
	+ +-		-+-		Rule	2					ine Disposa			
_	<u> </u>		_		Number	of Wells	8	_		Enhanced Recovery Hydrocarbon Storage				
						Se 10 1000	S10 1966	er - 100 er 20		√ CLAS		Storage		
		s			1	Mich	igar	n Potash		98 (8)				
					Lease Name					Well Numb				
		SING AND TUB	ING RECORD	AFTER	PLUGGING				METHO	OD OF EMPLA	ACEMENT O	F CEMENT PL	.UGS	
SIZE	WT (LB/FT)	TO BE PUT IN	WELL (FT)		LEFT IN W	ELL (FT)		IOLE SIZE	E The	Balance Met	thod			
7	23	0		8600			8	3/4	The	The Dump Bailer Method				
		-					The Two-Plug N				ethod			
							┝		✓ Oth	er				
3/1	CEMENTING	TO PLUG AND	ARANDON DA	ΔΤΔ.		PLUG #	1	PLUG #2	2 PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	
Size of I	lole or Pipe in					7"		7"	1 200 %5	1 200 #4	F E 0 G # 3	PLUG #0	FLUG #1	
Depth to Bottom of Tubing or Drill Pipe (ft								8050			2 - 1 12			
Sacks of Cement To Be Used (each plug)								1220			15		8	
Slurry Volume To Be Pumped (cu. ft.)								1793					8 (1387)	
	ed Top of Plug	, ,				8050		0						
Measured Top of Plug (if tagged ft.)						14.0	4	140						
Slurry Wt. (Lb./Gal.) Type Cement or Other Material (Class III)						14.2	-	14.2 A						
Турс ос				DEDEO	DATED INT	A	ND		LO MULEDE CAS	INIO MAIL DE	MA PARPER ALE	.		
	From	ALL OFEN H	IOLE AND/OR	PERFO		ERVALS A	MD	INTERVA	LS WHERE CAS	ING WILL RE	VARIED (if a	To		
Cement Retainer at 8,050'										10				
Perf 8400-8550 GROSS MD 8400						8550								
0.000														
	IF 600			6 899,439	30 S N 0 0	N 1 W							£	
	ed Cost to Plug	Wells	55 (F 55 HO) - 355	en × e _p n	6 9 NEO 8	0 50 € € 400	(172	8.6	8 11 8	K DVSC VIV. G	80 0 E			
\$ 289	,000							[1				(1 (1) (1) (1) (1) (1) (1) (1)	F. 18.4 (14. 145)	
						Certific	cati	ion						
	certify under th	e nenalty of lo	w that I have	nercara					the informati-	n ouberitte i	lm Abia da			
a ii	ttachments and nformation is tr ossiblity of fin	l that, based oi ue, accurate, a	n my inquiry and complete.	of those I am a	individual ware that t	s immedia	ately	y respons	ible for obtaini	ng the inforn	nation, I beli	eve that the		
Name a	nd Official Title	(Please type	or print)	112-70-0-	Sig	nature_	-	57	1911			Date Signe	d	
Theodore A. Pagano, P.E., P.G., General Manager												07/27/201	F 2 3	
						181	/							